

~~SECRET~~

Approved For Release 2004/03/26 : CIA-RDP78B05703A000200030019-1

PSG/AID-260/70  
10 September 1970

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT: Contractual Support, totaling [redacted]  
[redacted] on Computer Simulation

1. This memorandum contains a request for contractual support. Such recommendation is stated in paragraph 7.

2. During the past several months AID/PSG has been developing and testing a software simulation package that reflects the operations of the UNIVAC 494 RIM/ART executive. This package "simulates" the U-494 executive system and provides a means by which input and output loads can be varied, job priorities changed, and software characteristics modified. We are attempting to improve the package and also to extend it to include simulation of major software applications such as the Integrated Information System and the Real Time Mensuration System.

3. The simulation effort can provide management with an insight into potential ADP problem areas and can be used as an aid in optimizing software design and hardware configuration. The ADP areas of prime concern at this time are:

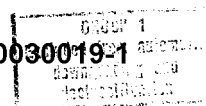
- a) possible alternative hardware configurations of the U-494's,
- b) the operation of the Integrated Information System under various loads and modifications, and
- c) the operation of the Executive Software.

In these areas, the [redacted] will be responsible for providing guidance and consultation on

- a) software model design
- b) model testing and validation
- c) statistical analysis on simulation tests and results.

4. The [redacted] has the personnel and expertise to advise on Computer Simulation. Their simulation of the Internal Revenue Service software operations have been and continue to be highly successful. This contract will require the [redacted] to provide

~~SECRET~~



SUBJECT: Contractual Support, totaling [REDACTED]  
[REDACTED] on Computer Simulation

the necessary personnel as consultants on the aforementioned technical aspects of computer simulation. [REDACTED] Department Manager, with assistance from other members of his staff, will be made available for a total of 200 hours during fiscal year 1971, services to be performed under the direction of the Contract Technical Monitor.

5. There should be no follow-on action as a result of the conduct of this work.

6. The Project Officer is [REDACTED] Agency association [REDACTED] The nature of the work to be performed is to be classified as directed by the Contract Technical Monitor. The contractor will provide Monthly Letters per Specification Number DB-1001, dated 31 August 1968.

7. It is requested that NPIC award a "Time and Materials" contract to the Computer Science Corporation in support of computer simulation activities in AID/PSG. The amount of the contract should equal 200 man-hours of effort at [REDACTED]

[REDACTED]  
Chief, Automated Information Division  
PSG/NPIC

Attachment: Form 2420

APPROVED: [REDACTED]

ARTHUR C. LUNDAHL  
Director

National Photographic Interpretation Center

22 SEP 1970

Distribution:

- Orig - NPIC/SS/SC&PB (after approval) w/att
- 1 - NPIC/O/DIR w/att
- 1 - NPIC/PPBS w/att
- 1 - NPIC/SS w/att
- 1 - NPIC/PSG w/att
- 2 - NPIC/PSG/AID w/att
- 2 - NPIC/PSG/AID/SIS w/att

☐ UNCLASSIFIED

☐ CONFIDENTIAL

☒ SECRET

ATTACHMENT A TO PSG/AID-260/70 (specify)

Approved For Release 2004/03/26 : CIA-RDP78B05703A000200030019-1

REQUEST TO PROCUREMENT DIVISION FOR SERVICES

(other than property or building maintenance and repairs)

25X1

OFFICE/DIV/BR NPIC/PSG/AID	REQUEST NO. 1328	DATE OF REQUEST 9 September 1970	I CERTIFY AMOUNT OF AVAILABLE
PROJECT TITLE Computer Simulation	PROJECT OR CONTACT OFFICER	EXTENSION	SIGNATURE OF BUDGET OFFICER DATE
CONTRACTOR (if known)	PROPOSAL NO. AND DATE N/A	CONTRACT & TASK ORDER NO. (if known) N/A	

TYPE OF SERVICE REQUESTED <input checked="" type="checkbox"/> Consultation on Simulation		APPLICABLE ONLY TO REPAIRS AND MODIFICATIONS		
RESEARCH/DEV		TECHNICAL INSPECTION IS REQUIRED BY		
GRANT		<input type="checkbox"/> RECEIVING DEPOT T & I <input type="checkbox"/> TECHNICAL MONITOR		
REPAIR		<input type="checkbox"/> ITEMS TO BE PICKED UP OR <input type="checkbox"/> SERVICES PERFORMED AT:		
MAINTENANCE		ITEMS TO BE REDELIVERED TO:		
MODIFICATION				
STERILITY	CONTRACT CLASSIFICATION	WORK CLASSIFICATION	HARDWARE CLASSIFICATION	REPORTS CLASSIFICATION
SC 0	SECRET	As directed by Technical Monitor	N/A	As directed by Technical Monitor
SC 1				
SC 2				

SHORT SUBSTANTIVE TITLE AND/OR DESCRIPTION OF SERVICE TO BE PERFORMED

Technical ADP consultative services on computer simulation.

(See reverse for specific information required on R&D requests.)

APPROVAL			
DESIGNATION	SIGNATURE		DATE
Chief, PSG/NPIC			
Chief, AID/PSG			
PROCUREMENT DIVISION USE			
DATE RECEIVED IN PD	RECORDED BY	SECTION ASSIGNED TO	NEGOTIATOR

FORM 2420  
3-67

REPLACES FORMS 2420 AND 2416 WHICH MAY BE USED.

Approved For Release 2004/03/26 : CIA-RDP78B05703A000200030019-1

☐ UNCLASSIFIED

☐ CONFIDENTIAL

☒ SECRET

(specify)

(5-12-38)